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<b>Date:</b>	<b>November 22, 2004</b>	<b>Fax:</b>	<b>703-872-9306</b>
<b>To:</b>	<b>U.S. Patent and Trademark Office</b>	<b>Phone:</b>	

Commissioner for Patents  
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<b>From:</b>	<b>Rachel V. Leiterman</b>
<b>Serial No.:</b>	<b>10/059,588</b>
<b>Docket:</b>	<b>M-11547 US (LUM- M-11547 US)</b>
<b>Re:</b>	<b>Response to Office Action/Amendment</b>
<b>Pages:</b>	<b>28 (including cover sheet)</b>

**Message:**

Re: Applicant(s): Michael R. Krames; Mihail M. Sigalas; Jonathan J. Wierer Jr.  
Assignee: Lumileds Lighting U.S. LLC  
Title: LED Efficiency Using Photonic Crystal Structure  
Serial No.: 10/059,588  
Examiner: Douglas A. Wille  
Docket No.: M-11547 US

Filed: January 28, 2002  
Group Art Unit: 2814

Dear Sir:

Transmitted herewith are the following documents in the above-identified application:

- (1) Transmittal Letter (1 page);
- (2) Credit Card Payment Form PTO-2038 (1 page);
- (3) Amendment (22 pages);
- (4) Information Disclosure Statement (2 pages);
- (5) Form PTO/SB/08A citing 1 reference;
- (6) A Copy of the cited US Patent document is not enclosed as the requirement under 37 CFR 1.98 (a)(2)(i) is waived.

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Rachel V. Leiterman

November 22, 2004

Via Facsimile  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Re: Applicant(s): Michael R. Krames; Mihail M. Sigalas; Jonathan J. Wierer Jr.  
Assignee: Lumileds Lighting U.S., LLC  
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R. Leiterman 11/22/04  
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Respectfully submitted,

R. Leiterman

Rachel V. Leiterman 11/23/2004 BBONNER 00000014 10059588  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Michael R. Krames; Mihail M. Sigalas; Jonathan J. Wierer Jr.  
Assignee: Lumileds Lighting U.S. LLC  
Title: LED Efficiency Using Photonic Crystal Structure  
Serial No.: 10/059,588 Filing Date: January 28, 2002  
Examiner: Douglas A. Wille Group Art Unit: 2814  
Docket No.: M-11547 US

San Jose, California  
November 22, 2004

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT**

Dear Sir:

This responds to the Office Action dated August 20, 2004. Please amend the application as follows.

Amendments to the claims are reflected in the listing of claims beginning on page 2 of this paper.

Remarks begin on page 12 of this paper.

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